

Data File : VV014139.D  
Acq On : 19 Dec 2019 18:59  
Operator : SY/MD  
Sample : K6286-11  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDY7

Quant Time: Dec 20 07:17:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 20 07:12:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 335653   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 340539   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 152107   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 88422    | 4.26     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.20%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 88692    | 5.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 116245   | 3.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.40%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 297294   | 68.84    | ug/L | -0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 137.68%# |
| 24) Chloroform-d               | 4.40   | 84    | 210877   | 5.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 105078   | 5.27     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 352619   | 4.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.20%   |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 119353   | 4.56     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20%   |
| 41) Toluene-d8                 | 7.36   | 98    | 262477   | 3.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 63.60%#  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 40037    | 3.93     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60%   |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 196774   | 52.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 95849    | 5.28     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 123014   | 4.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.60%   |

#### Target Compounds

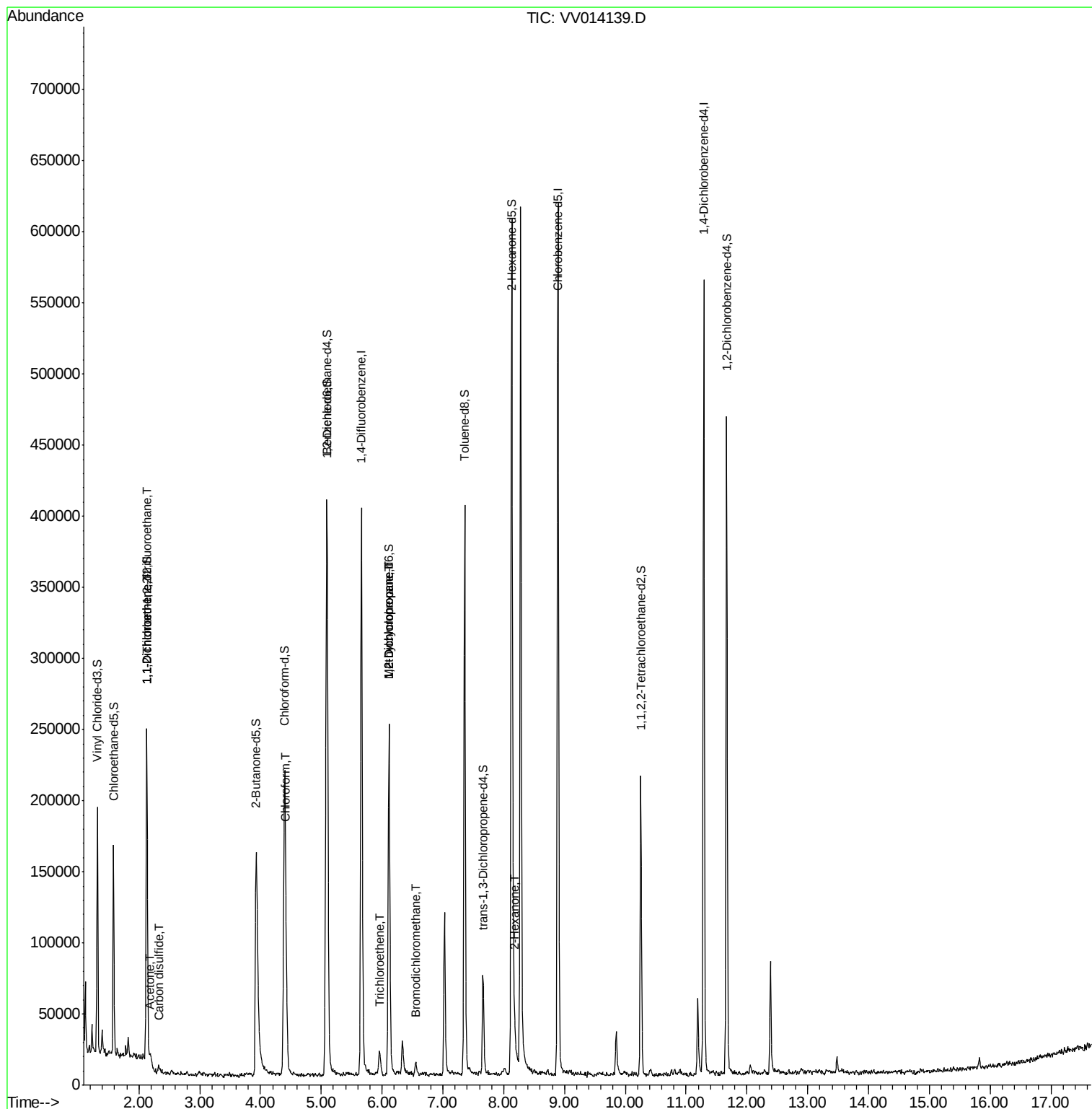
|                                |      |     |       |       |        | Qvalue |
|--------------------------------|------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 1566  | 0.085 | ug/L # | 31     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 1170  | 0.073 | ug/L # | 1      |
| 13) Acetone                    | 2.19 | 43  | 8754  | 2.899 | ug/L # | 56     |
| 14) Carbon disulfide           | 2.32 | 76  | 2271  | 0.061 | ug/L # | 54     |
| 25) Chloroform                 | 4.42 | 83  | 41039 | 1.064 | ug/L   | 98     |
| 34) Trichloroethene            | 5.96 | 95  | 5369  | 0.233 | ug/L   | 89     |
| 35) Methylcyclohexane          | 6.11 | 83  | 28125 | 0.915 | ug/L # | 21     |
| 37) 1,2-Dichloropropane        | 6.11 | 63  | 12788 | 0.596 | ug/L # | 86     |
| 38) Bromodichloromethane       | 6.55 | 83  | 5817  | 0.205 | ug/L   | 90     |
| 48) 2-Hexanone                 | 8.18 | 43  | 8939  | 1.000 | ug/L # | 78     |

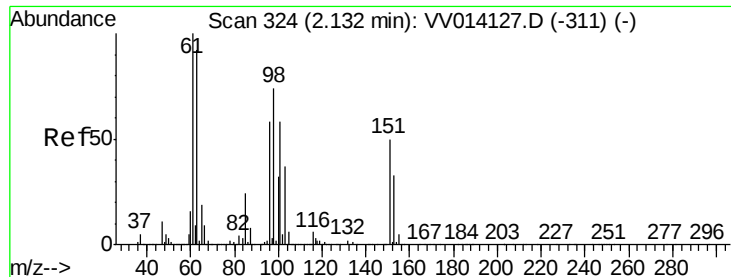
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV014139.D  
Acq On : 19 Dec 2019 18:59  
Operator : SY/MD  
Sample : K6286-11  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDY7

Quant Time: Dec 20 07:17:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 20 07:12:45 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.085 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV014139.D

Acq: 19 Dec 2019 18:59

Instrument :

MSVOA\_V

ClientSampleId :

BFDY7

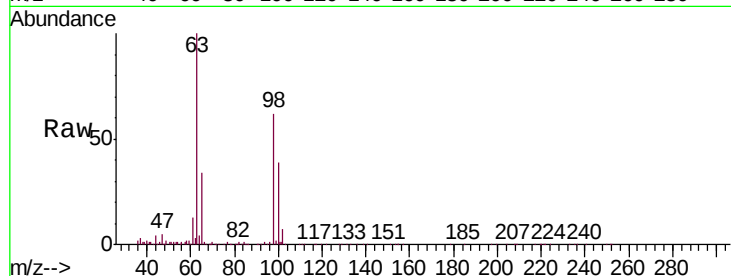
Tgt Ion: 101 Resp: 1566

Ion Ratio Lower Upper

101 100

85 16.9 33.4 50.0#

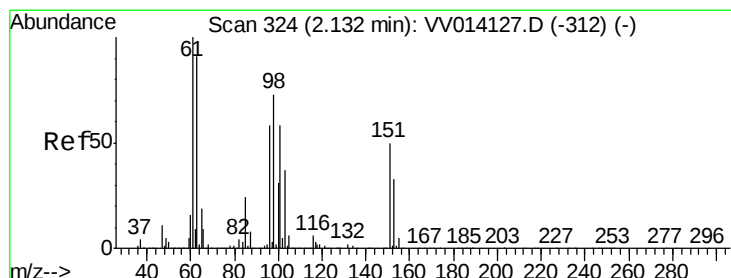
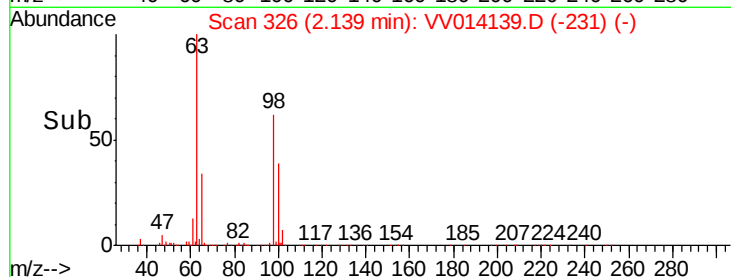
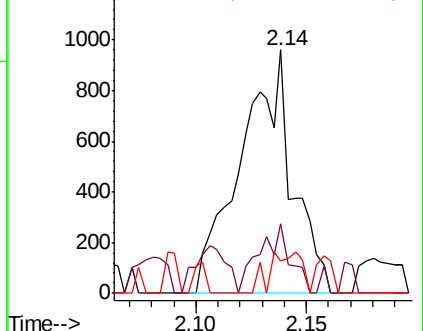
151 10.4 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.073 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014139.D

Acq: 19 Dec 2019 18:59

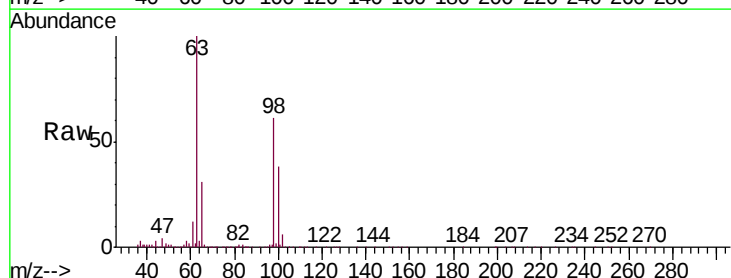
Tgt Ion: 96 Resp: 1170

Ion Ratio Lower Upper

96 100

61 1492.8 116.3 215.9#

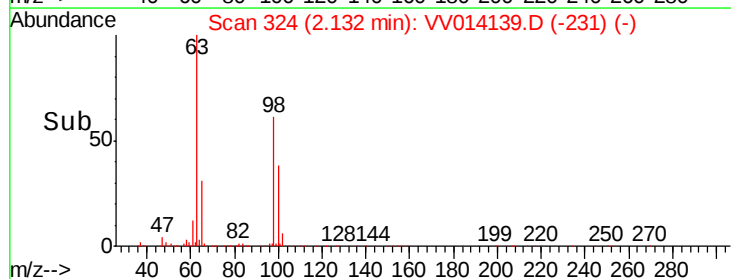
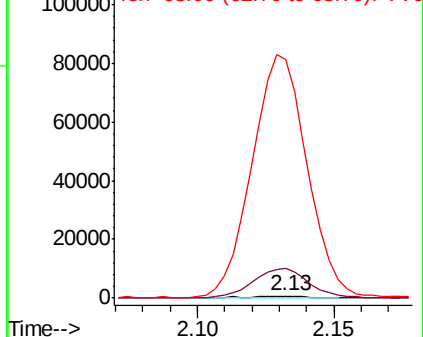
63 12182.0 96.7 179.7#

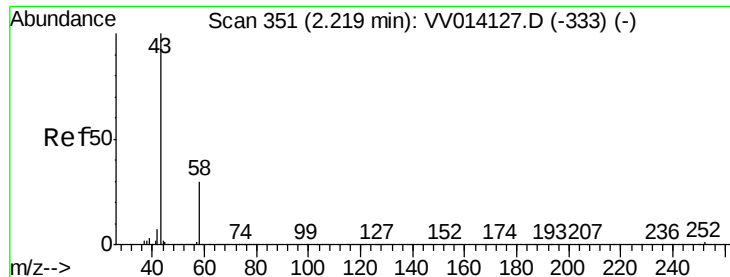


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.899 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV014139.D

Acq: 19 Dec 2019 18:59

Instrument :

MSVOA\_V

ClientSampleId :

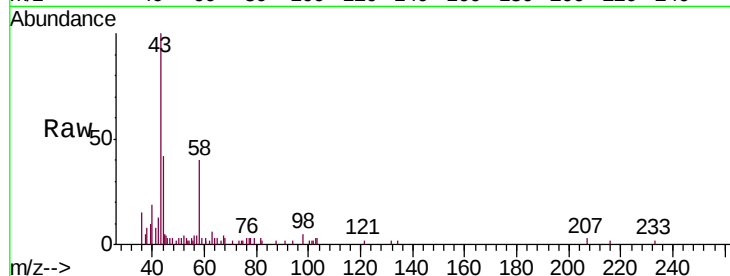
BFDY7

Tgt Ion: 43 Resp: 8754

Ion Ratio Lower Upper

43 100

58 31.2 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

6000

5000

4000

3000

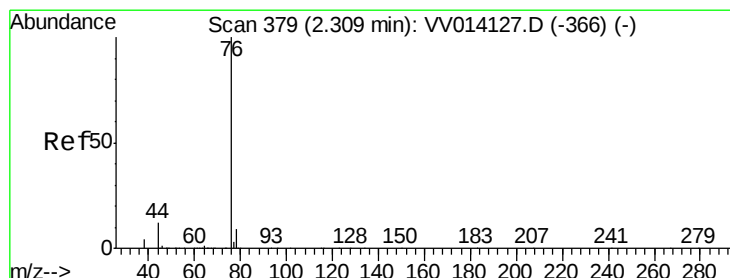
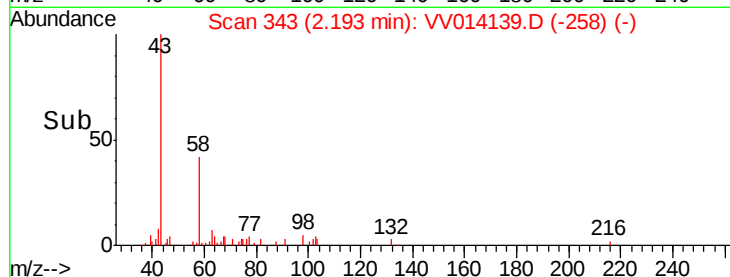
2000

1000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.061 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014139.D

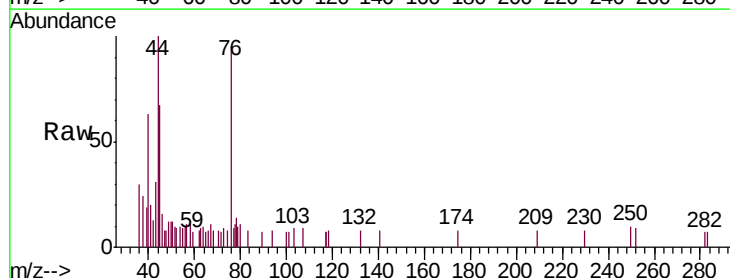
Acq: 19 Dec 2019 18:59

Tgt Ion: 76 Resp: 2271

Ion Ratio Lower Upper

76 100

78 26.2 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

1500

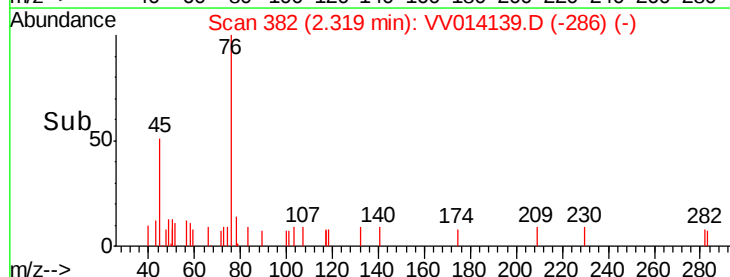
1000

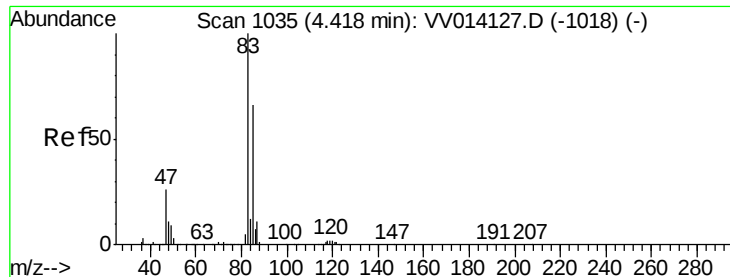
500

0

2.30 2.35

Time-->

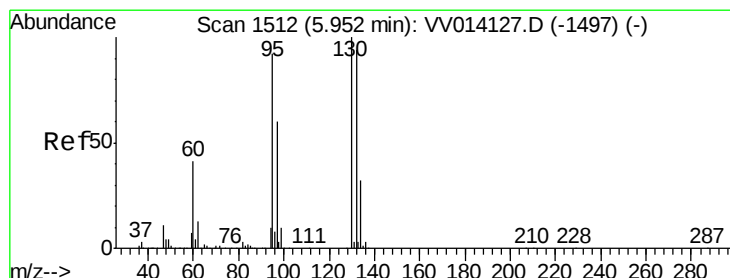
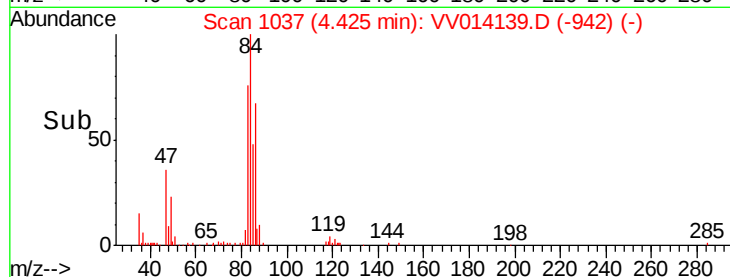
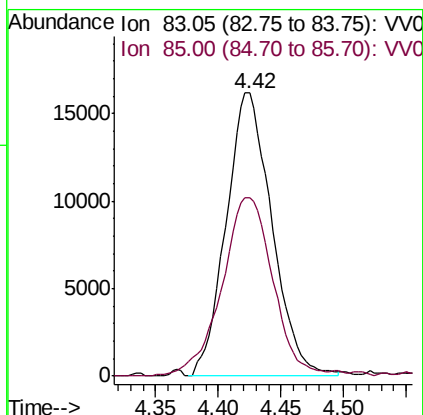
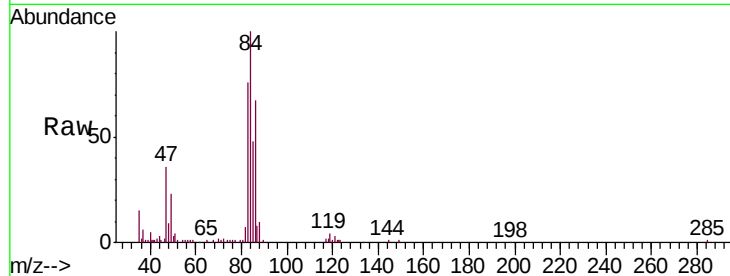




#25  
Chloroform  
Concen: 1.064 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: VV014139.D  
Acq: 19 Dec 2019 18:59

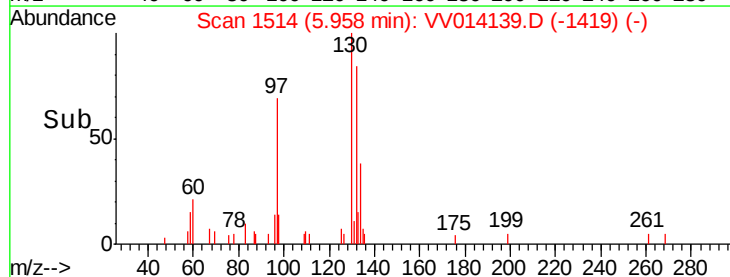
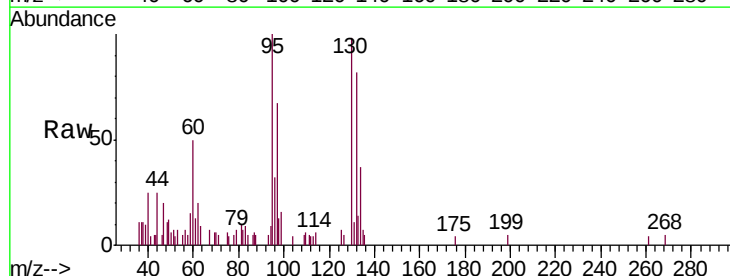
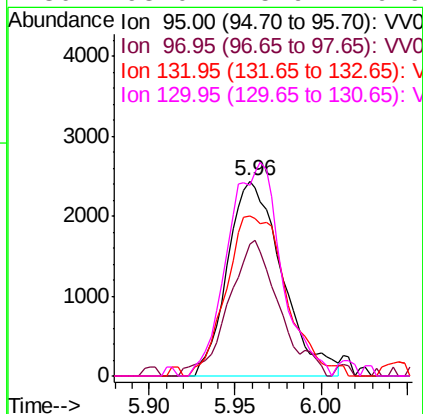
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDY7

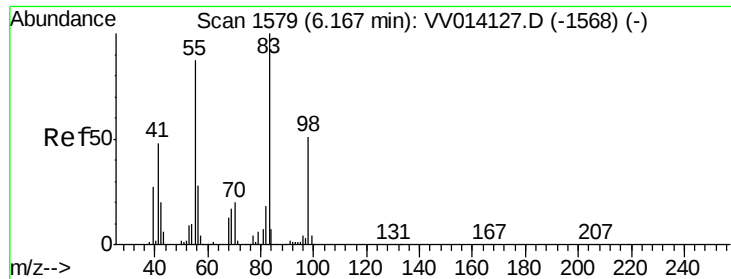
Tgt Ion: 83 Resp: 41039  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.1 83.7



#34  
Trichloroethene  
Concen: 0.233 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: VV014139.D  
Acq: 19 Dec 2019 18:59

Tgt Ion: 95 Resp: 5369  
Ion Ratio Lower Upper  
95 100  
97 67.5 45.6 84.8  
132 81.9 70.5 130.9  
130 98.0 75.9 140.9

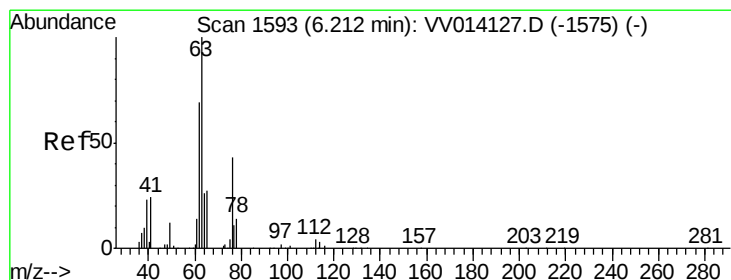
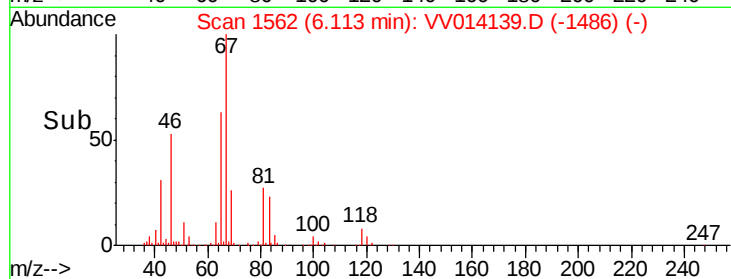
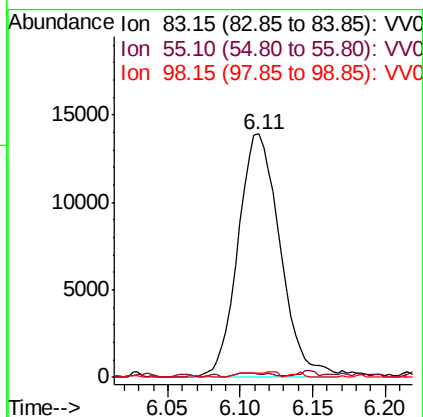
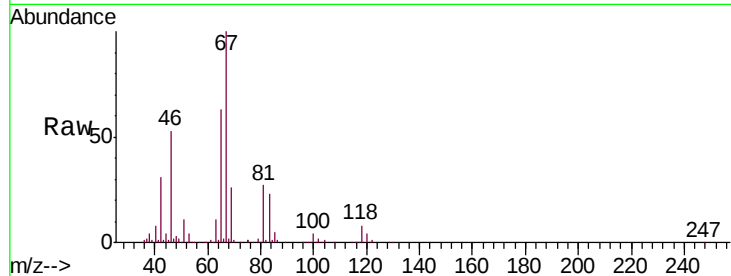




#35  
Methylcyclohexane  
Concen: 0.915 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.05 min  
Lab File: VV014139.D  
Acq: 19 Dec 2019 18:59

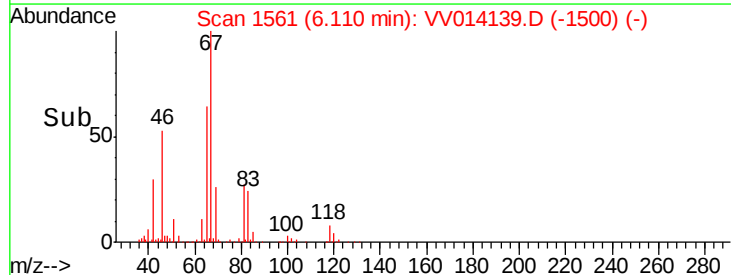
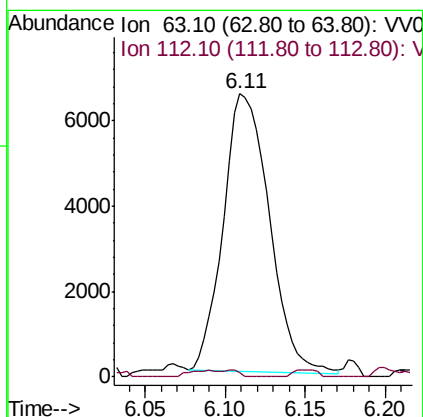
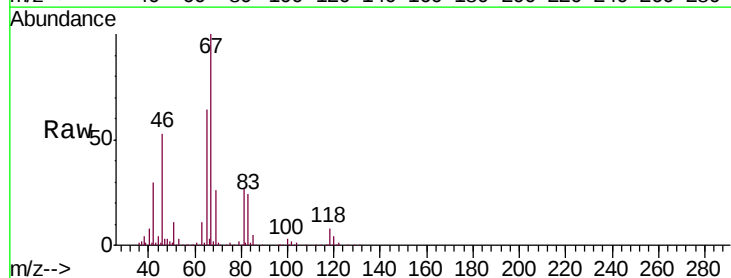
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDY7

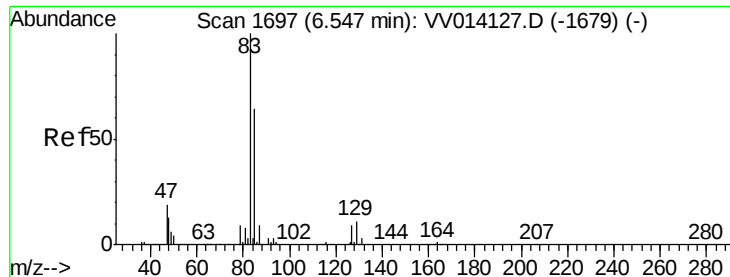
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 1.6   | 60.3  | 90.5# |
| 98      | 1.8   | 38.1  | 57.1# |



#37  
1,2-Dichloropropane  
Concen: 0.596 ug/L  
RT: 6.11 min Scan# 1561  
Delta R.T. -0.10 min  
Lab File: VV014139.D  
Acq: 19 Dec 2019 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.9   | 4.4   | 6.6#  |





#38

Bromodichloromethane

Concen: 0.205 ug/L

RT: 6.55 min Scan# 1699

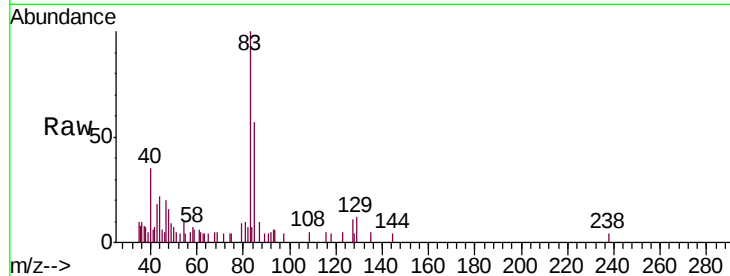
Delta R.T. 0.01 min

Lab File: VV014139.D

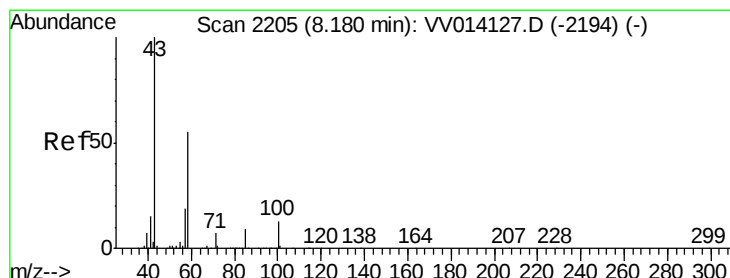
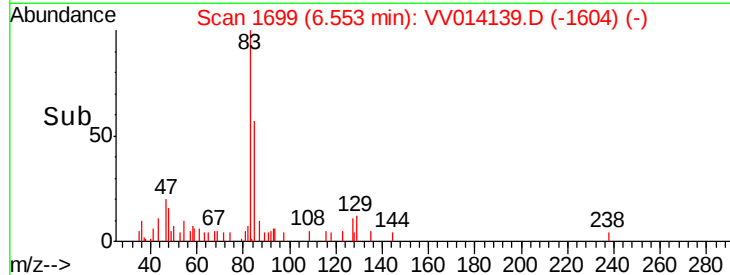
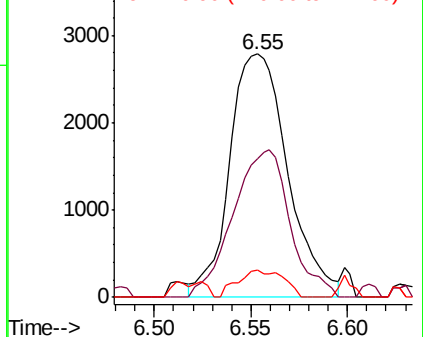
Acq: 19 Dec 2019 18:59

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDY7

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5817  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 57.0  | 46.1  | 85.5  |
| 127      | 11.1  | 7.5   | 11.3  |



Abundance Ion 82.95 (82.65 to 83.65): VV0  
Ion 85.00 (84.70 to 85.70): VV0  
Ion 126.90 (126.60 to 127.60): V



#48

2-Hexanone

Concen: 1.000 ug/L

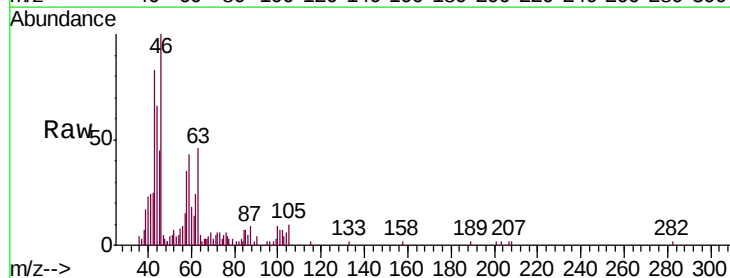
RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV014139.D

Acq: 19 Dec 2019 18:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8939  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.6  | 43.2  | 64.8# |
| 57       | 0.0   | 15.4  | 23.2# |
| 100      | 12.2  | 10.4  | 15.6  |



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): V

